					Brido	e Culve	ert Inspe	ection					
Bridge File Number 09498 -1 Bridge Culvert				Dilleg	,o carre				CUL1				
Year Built 1994							Lot No.	7   -		4			
Bridge or Town	Name	STAND	OFF					Inspector Name		Jason Rusu			
Located Over			N CREEK, 2.12	2.22.12, W	VATER	RCRS-	Inspector Class		BR CLS A				
		ST					Assistant Name						
Located On		505:02 C	C1 39.692				Assistant Class						
Water Body Cl.							Inspection Date		10-Jun-2012				
Navigabil. Cl./Y							Data Entry By		Erin Roberts				
			2 TWP 5 RGE 26 W4M				Data Entry Date		25-Jul-2012				
			45, 49:20:56				Reviewer Name		Garry Roberts				
Road Authority Alberta Tra			Transportation (AIT)				Review Date		10-Jul-2012				
		CMA25					Dept. Reviewer Name		Tim Davies				
Clear Roadway	/Skew			eg. (RHF)				Dept. Review Date		30-Jul-2012			
AADT/Year		1,220 / 2	· ,				Follow-	Up By					
Road Classifica		RCU-20	9-110				-						
Detour Length		5											
Bridge Culvert													
Number of Culv			<u>1</u>	Diag (ar	D:- \	T		1		Carr Drafile	DI /Clab	Chana	
Pipe #	Barrel		Span	Rise (or	Dia.)	Type	Length			Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN	9	9165	4315		RPA		24.4		152X51	5.0,4.0,4.0	ARCH	
Special Feature	es			'		'	12.11.						
Special Feature		ment											
•													
					Ut	ilities (L	Located	at)					
Utility Attachme		5.014											
Telephone South ROW									sing 100m West.				
Power North ROW					Municip								
Others Supernet South ROW.						Problen	n (Y/N)	No					
Remarks				Δ.	0 1 1 0 0 0	oh Door	d / Emba	n km o n t					
				A		Now	/ Embankment Explanation of Condition						
Horizontal Aligr	nment				8	8	IN SAG CURVE WITH HALL ENTRANCE TO SW.						
Vertical Alignm					6	6							
Roadway Width (m)		10.000	10.000										
Troduitay Widt	. (,		10.000										
Embankment	Embankment						2:1 @ NORTH @ PIPE 5:1 @ SOUTH.						
Sideslope (:1)		2.0											
(Height of Co	ver(m)	(8.0	_										
Guardrail (Y/N)		Yes			Double layer over pipe								
Approach Road / Embankment Ger			t General Rat	General Rating (		6							
Approach Noa	id / Liiii	Dankinen	it Gerierai itat	ıııg									
							am End						
Culvert Component			Last	Now		ation of (							
Direction				SOUTH	I END.								
End Treatment Others, None)	(Concre	ete, Steel	, CONCRETE										
Headwall				8	8								
Collar			5	5	Spall in East collar.								
Wingwalls			8	8									
(Shape: )					1								
Cutoff Wall				N	N	Buried.							
	Cuton wan												

Upstream End											
Culvert Component		Last	Now	Explanation of Condition							
Bevel End		8	8								
Heaving (mm)	0										
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm)	800										
Scour Protection			8								
(Type : RIP RAP)											
(Avg. Rock Size(mm) : <b>500</b> )											
Scour/Erosion		8	8								
Beavers (Y/N)	No										
Upstream End General Rating		5	5								
Bridge Culvert Barrel											
Culvert Component	Explanation of Condition										
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa		Now 1): 9165	·							
Barrel Last Accessible Date	10-Jun-2012			Too large to measure.							
Special Features											
Special Feature											
(Type:)											
Special Feature											
(Type:)											
Roof			8	SHAPE GOOD							
Measured Rise (mm)		8		Roof ends cut on diagonal to corrugations							
Measured At Ring No.				Est.							
Sag (mm)	50										
Percent Sag											
Sidewall		8	8								
Measured Span (mm)											
Measured At Ring No.				EST							
Deflection (mm)	50										
Percent Deflection											
Floor		N	N	Water too deep.							
Bulge (mm)											
Measured At Ring No.											
Abrasion (Y/N)	No										
Circumferential Seams		8	8								
Separation (mm)	0										
Longitudinal Seams		8	8								
Total No. of Cracked Rings	0										
Total No. of Rings with Two Cracked Seams	0										
Min. Remaining Steel Between Cracks (mm)											
Proper Lap (Y/N)	Yes										
Longitudinal Stagger (Y/N)	Yes										
Coating		8	8								
Corrosion By Soil (Y/N)	No		<u> </u>	1							
Corrosion By Water (Y/N)	No										
Camber POS/ZERO/NEG	ZERO										
Ponding (Y/N)	No										

Culvert Component   Last   Nov   Explanation of Condition			Brid		vert Barrel
Fish Passage Adequacy	·				- ·
Materiary Adequacy	(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	<u>): 9165</u>	, Rise (mm): 4315, Type: RPA)
Type :   Waterway Adequacy	Fish Passage Adequacy		7	7	
Waterway Adequacy         7         7         7         1         2	Baffle		Х	Х	
Coling (Y/N)   No	(Type:)				
Coling (Y/N)   No	Waterway Adequacy		7	7	
Silting (Y/N)		No			
Drift (Y/N)		No			
Barrel General Rating					
Culvert Component         Last         Now         Explanation of Condition           Direction         STATE (Chers, None)         NORTH END.           End Treatment (Concrete, Steel, Chers, None)         CONCRETE         STATE (Chers, None)           Headwall         8         8           Collar         8         8           Wingwalls (Shape :)         The state of Chert (Chert, Steel)         The state of Chert (Chert, Steel)           Cutoff Wall         N         N         N           Bevel End         8         8           Heaving (mm)         0         The state of Chert (Chert, Steel)           Invert Above/Below Stream Bed         BELOW         The state of Chert (Chert, Steel)           Above/Below (mm)         800         8         8           Scour/Protection         8         8         8           (Type : RIP RAP)         (Aya, Rock Size(mm) : 500         The state of Chert (Chert, Steel)         The state of Chert (Chert, Steel) <t< td=""><td colspan="3"></td><td>8</td><td></td></t<>				8	
Culvert Component         Last         Now         Explanation of Condition           Direction         STATE (Chers, None)         NORTH END.           End Treatment (Concrete, Steel, Chers, None)         CONCRETE         STATE (Chers, None)           Headwall         8         8           Collar         8         8           Wingwalls (Shape :)         The state of Chert (Chert, Steel)         The state of Chert (Chert, Steel)           Cutoff Wall         N         N         N           Bevel End         8         8           Heaving (mm)         0         The state of Chert (Chert, Steel)           Invert Above/Below Stream Bed         BELOW         The state of Chert (Chert, Steel)           Above/Below (mm)         800         8         8           Scour/Protection         8         8         8           (Type : RIP RAP)         (Aya, Rock Size(mm) : 500         The state of Chert (Chert, Steel)         The state of Chert (Chert, Steel) <t< td=""><td></td><td></td><td>D</td><td>ownstr</td><td>ream Fnd</td></t<>			D	ownstr	ream Fnd
Direction	Culvert Component				
End Treatment (Concrete, Steel, Others, None)			Luct	11011	
Headwall	End Treatment (Concrete, Steel,	CONCRETE			
Solution			8	8	
Cutoff Wall	Collar		8	8	
Cutoff Wall	Wingwalls		8	8	
Cutoff Wall         N         N         Buried.           Bevel End         8         8           Heaving (mm)         0         Invert Above/Below Stream Bed         BELOW           Above/Below (mm)         800         8           Scour Protection         8         8           (Avg. Rock Size(mm) : 500)         Scour/Erosion         8         8           Beavers (Y/N)         No         Structure Usage           Last         Now         Explanation of Condition           Channel (U/S and D/S)         Alignment         6         6         CHANNEL MEANDERS BACK AND FORTH THROUGH VALLEY.           Bank Stability         8         8           HWM (m below Top of Culvert)         HWM NOT VISIBLE.           Drift (Y/N)         No         HWM NOT VISIBLE.           Channel Bottom Degrading/Aggrading Beavers (YN)         No         HWM NOT VISIBLE.           Fish Compensation Measure 1 : NONE)         (Fish Compensation Measure 2 : NONE)					
Heaving (mm)				N	Buried.
Heaving (mm)	Bevel End			8	
Invert Above/Below Stream Bed		0			
Above/Below (mm)   800					
Scour Protection					
Comparison   Second   Second				8	
Rays   Rock Size(mm) : 500    Scour/Erosion   8   8   8					
Scour/Erosion 8 8 8  Beavers (Y/N) No  Downstream End General Rating 8 8  Structure Usage  Last Now Explanation of Condition  Channel (U/S and D/S)  Alignment 6 6 6 CHANNEL MEANDERS BACK AND FORTH THROUGH VALLEY.  Bank Stability 8 8 8  HWM (m below Top of Culvert) Drift (Y/N) No Channel Bottom Degrading/Aggrading Beavers (Y/N) No (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)					
Downstream End General Rating    Structure Usage   Last   Now   Explanation of Condition			8	8	
Structure Usage  Last Now Explanation of Condition  Channel (U/S and D/S)  Alignment 6 6 CHANNEL MEANDERS BACK AND FORTH THROUGH VALLEY.  Bank Stability 8 8 8  HWM (m below Top of Culvert) HWM NOT VISIBLE.  Drift (Y/N) No  Channel Bottom Degrading/Aggrading Beavers (Y/N) No  (Fish Compensation Measure 1 : NONE)  (Fish Compensation Measure 2 : NONE)	Beavers (Y/N)	No			
Structure Usage  Last Now Explanation of Condition  Channel (U/S and D/S)  Alignment 6 6 CHANNEL MEANDERS BACK AND FORTH THROUGH VALLEY.  Bank Stability 8 8 8  HWM (m below Top of Culvert) HWM NOT VISIBLE.  Drift (Y/N) No  Channel Bottom Degrading/Aggrading Beavers (Y/N) No  (Fish Compensation Measure 1 : NONE)  (Fish Compensation Measure 2 : NONE)	Downstream End General Ratio	na	8	8	
Channel (U/S and D/S)       Alignment     6     6     CHANNEL MEANDERS BACK AND FORTH THROUGH VALLEY.       Bank Stability     8     8       HWM (m below Top of Culvert)     HWM NOT VISIBLE.       Drift (Y/N)     No       Channel Bottom Degrading/Aggrading     DEGRADING       Beavers (Y/N)     No       (Fish Compensation Measure 1 : NONE)       (Fish Compensation Measure 2 : NONE)	Zowiel dain Zina Conoral Rain	.9			
Channel (U/S and D/S)  Alignment 6 6 CHANNEL MEANDERS BACK AND FORTH THROUGH VALLEY.  Bank Stability 8 8  HWM (m below Top of Culvert) HWM NOT VISIBLE.  Drift (Y/N) No  Channel Bottom Degrading/Aggrading Beavers (Y/N) No  (Fish Compensation Measure 1 : NONE)  (Fish Compensation Measure 2 : NONE)			S		
Alignment 6 6 CHANNEL MEANDERS BACK AND FORTH THROUGH VALLEY.  Bank Stability 8 8 8  HWM (m below Top of Culvert) HWM NOT VISIBLE.  Drift (Y/N) No  Channel Bottom Degrading/Aggrading Beavers (Y/N) No  (Fish Compensation Measure 1 : NONE)  (Fish Compensation Measure 2 : NONE)			Last	Now	Explanation of Condition
Bank Stability  8 8 HWM (m below Top of Culvert) Drift (Y/N) No Channel Bottom Degrading/Aggrading Beavers (Y/N) No (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)					
HWM (m below Top of Culvert)  Drift (Y/N)  No  Channel Bottom Degrading/Aggrading  Beavers (Y/N)  No  (Fish Compensation Measure 1 : NONE)  (Fish Compensation Measure 2 : NONE)	Alignment			6	CHANNEL MEANDERS BACK AND FORTH THROUGH VALLEY.
Drift (Y/N) No Channel Bottom DEGRADING Beavers (Y/N) No (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	Bank Stability			8	
Channel Bottom Degrading/Aggrading  Beavers (Y/N) No  (Fish Compensation Measure 1 : NONE)  (Fish Compensation Measure 2 : NONE)	HWM (m below Top of Culvert)				HWM NOT VISIBLE.
Degrading/Aggrading  Beavers (Y/N) No  (Fish Compensation Measure 1 : NONE)  (Fish Compensation Measure 2 : NONE)					
(Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)					
(Fish Compensation Measure 2 : <b>NONE</b> )	Beavers (Y/N) No				
	(Fish Compensation Measure 1 :	NONE)			
Channel General Rating 6 6	(Fish Compensation Measure 2 :	NONE)			
	Channel General Rating		6	6	

			Maintenance	Recommen	dations					
Inspector Recommendations	Year	Inspector C	omments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING										
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTOFF										
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low) 88.9/8	38.9 St (%	ufficiency Rating (La	st/Now)	79.5/79.4	Est. Repl. Yr	2051	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		1	Estimated Tota	1 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Garry Robert	S		Previous	Assistant's Name					
Next Inspection Date	10-Sep-2015			Previous	Inspection Date	19-Jun-2009				
Inspection Cycle (Default) (months)	39									
Comment										